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Title : method and device for evaluating deformations and forces

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ABSTRACT

 The present invention relates to a method and a device for evaluating the deformations
 or forces to which a structure comprising an elastomeric body (2) is subjected, said
15 device comprising a dipole (6), the dielectric (3) of which is formed by said elastomeric
 body and an electronic analysing circuit sensitive to a variation of a capacitive
 characteristic of the dipole caused by said deformations of said body.

 In particular, but not exclusively, the invention relates to a device for evaluating the
 forces to which a pneumatic tire is subjected when rolling, as it passes through the
20 contact area. The invention applies similarly in other structures comprising an
 elastomeric body, such as, for example, the elastomeric joints intended for the chassis
 system of vehicles.

Figure 1

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